Fragmentation in p-A collisions at AGS

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Abstract

Forward going particles are fragments of an incident particle. The distribution of these changes with centrality gives us important information of how the proton suffers multiple collison process.

Experiment 910 was performed at Brookhaven National Laboratory, with EOS TPC, Drift Chamber, Time-of-Flight wall and Cerenkov counter. Large acceptance, precise tracking and particle identification enable us to measure semi-exclusive events. Centrality is measured by the number of "grey" protons.

The spectra of forward going particles (charged pions and proton) will be shown. The results are compared with model calculations. I will discuss the implication of the results.